

| <b>L<br/>Number</b> | <b>Hits</b> | <b>Search Text</b>                                                                                                                                                            | <b>DB</b>                      | <b>Time stamp</b>   |
|---------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------|
| -                   | 33          | "collision detection" with modem                                                                                                                                              | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/11/01<br>13:20 |
| -                   | 24          | upstream near3 (data or signal) near5 modulated near5 (OOK or (on adj off adj keying) or QPSK or "quadrature phase shift keying" or QAM or "quadrature amplitude modulation") | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>12:56 |
| -                   | 29          | (upstream near3 (data or signal)) and (modulated near10 ((plurality or multiple or many) adj3 carrier))                                                                       | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/02<br>07:11 |
| -                   | 30          | (transmit near7 (collision near3 detection adj5 signal))                                                                                                                      | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/02<br>09:15 |
| -                   | 8           | ((transmit or send or output) near7 (collision near3 detection adj5 signal)) same (modulat\$4 or frequency)                                                                   | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/06/25<br>15:18 |
| -                   | 2           | (optic near3 (link or node)) same (collision near3 detection)\                                                                                                                | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/06/25<br>15:23 |
| -                   | 39          | "frequency translator" and upstream and downstream                                                                                                                            | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/06/27<br>12:52 |
| -                   | 5           | ((upstream near4 (carrier or frequency)) with (under or below or less or smaller) with (modulat\$3 or shift\$3)) same (downstream near4 (carrier or frequency)))              | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/06/28<br>14:52 |
| -                   | 107         | modem same ((optic\$3 near3 node) or (fiber near3 node))                                                                                                                      | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>13:45 |
| -                   | 24          | (modem same ((optic\$3 near3 node) or (fiber near3 node))) and (hybrid near3 fiber near3 coax near3 network)                                                                  | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>13:00 |
| -                   | 46          | ((modem or modulat\$4 or demodulat\$4) same ((optic\$3 near3 node) or (fiber near3 node))) and (hybrid near3 fiber near3 coax near3 network)                                  | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>13:32 |
| -                   | 46          | node adj modem                                                                                                                                                                | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>13:34 |
| -                   | 6           | (node adj modem) and (headend or "head end")                                                                                                                                  | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>13:40 |
| -                   | 758         | (headend or "head end") same modem                                                                                                                                            | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>13:44 |
| -                   | 61          | modem with ((optic\$3 near3 node) or (fiber near3 node))                                                                                                                      | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>13:47 |
| -                   | 61          | (modem with node) and (hybrid near3 fiber near3 coax)                                                                                                                         | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>14:00 |

|   |     |                                                                                                                                                        |                                |                     |
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| - | 42  | ((("optical distribution" or fiber or coax) adj node) with modem)                                                                                      | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>14:06 |
| - | 38  | modem same ((upstream or downstream) adj (data or signal)) same distribution                                                                           | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>15:39 |
| - | 29  | (upstream near3 (data or signal)) same (downstream near3 (data or signal)) same ("same" or equivalent or equal) near2 rate)                            | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>15:13 |
| - | 197 | (concentrator or combiner) with "drop"                                                                                                                 | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>15:45 |
| - | 162 | (concentrator or combiner) with "drop" and (circuit or electron\$4 or signal or data)                                                                  | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/01<br>15:47 |
| - | 30  | ((concentrator or combiner) with drop) same network                                                                                                    | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/05<br>10:34 |
| - | 68  | ((fiber or optic or distribution) near3 node) with modem)                                                                                              | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/02<br>10:09 |
| - | 3   | 6112086.pn.                                                                                                                                            | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/02<br>09:16 |
| - | 2   | 5469495.pn.                                                                                                                                            | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/02<br>09:16 |
| - | 4   | ((concentrator or combiner) with drop) same (receive near5 network)                                                                                    | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/02<br>10:48 |
| - | 54  | ((fiber or optic or distribution) near3 node) same (network near5 (tap or drop))                                                                       | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/02<br>11:30 |
| - | 16  | (upstream with downstream with (first or one) with (link or path)) and (downstream with broadband with (second or another or one) with (link or path)) | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/05<br>09:27 |
| - | 8   | (upstream with downstream with (first or one) with (fiber)) and (downstream with broadband with (second or another or one) with (fiber))               | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/02<br>13:41 |
| - | 28  | ((plurality or multiple or many) near3 coax\$4) and ((plurality or multiple or many) near3 (fiber or optic) near3 node)                                | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/02<br>14:21 |
| - | 33  | (fiber near2 coax near2 network) and ((switch or select) near3 link)                                                                                   | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/02<br>15:36 |
| - | 102 | ((output or network or line or bus or port) near drop) with (concentrator or combiner or multiplexer or "parallel serial converter")                   | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/03<br>07:09 |
| - | 65  | (dropline or (drop near cable)) and (fiber near2 coax near2 network)                                                                                   | USPAT;<br>US-PGPUB;<br>DERWENT | 2002/07/03<br>09:45 |

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| - | 63  | (dropline or (drop near cable)) same<br>(combiner or multiplexer or concentrator or<br>"parallel serial converter") | USPAT;<br>US-PGPUB;<br>DERWENT                          | 2002/07/05<br>09:29 |
| - | 57  | (downstream near3 (data or signal)) with<br>((shift\$3 or translat\$4) near3 frequency)                             | USPAT;<br>US-PGPUB;<br>DERWENT                          | 2002/07/05<br>08:51 |
| - | 118 | (time near3 division) and (fiber near3 coax<br>near3 network)                                                       | USPAT;<br>US-PGPUB;<br>DERWENT                          | 2002/07/05<br>10:38 |
| - | 13  | ((time near2 division) same upstream same<br>downstream) and (fiber near3 coax near3<br>network)                    | USPAT;<br>US-PGPUB;<br>DERWENT                          | 2002/07/05<br>10:39 |
| - | 2   | 4816825.pn.                                                                                                         | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/10/25<br>08:12 |